

Appln. No. 10/609,090
Response dated August 18, 2006
Reply to Office Action of December 21, 2005

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-15 (Cancelled).

16. (Previously Presented) A fiber reinforced composite article comprising

(A) a fiber reinforcing material; and

(B) an epoxy resin composition matrix comprising

- a) a polyepoxide,
- b) a complex of a catalyst and a cure inhibitor, wherein the cure inhibitor is selected from the group consisting of boric acid, a Lewis acid derivative of boron, an alkyl borane, a mineral acid having a nucleophilicity value "n" of greater than zero and less than 2.5, an organic acid having a pKa value of 1 or more, but not more than 3, and a mixture of two or more thereof wherein the molar ratio of the inhibitor to the catalyst is from 0.1:1.0 to 4.0:1.0 such that the gel time of the resin can be controllably adjusted to extend the gel time of the resin and the catalyst amount is sufficient to result in a substantially complete cure of the resin, and
- c) a crosslinker, wherein the crosslinker is present in an amount of from 40 parts to 150 parts per 100 parts of polyepoxide, and wherein the cross-linker includes a copolymer of an ethylenically unsaturated anhydride and a vinyl compound.

17. (Original) The fiber reinforced composite article of Claim 16, which is a laminate or a prepreg for an electric circuit.

18. (Previously Presented) An electric circuit component having an insulating coating of the epoxy resin according to Claim 16.

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19. (Previously Presented) A process of producing a coated article, comprising coating the article with an epoxy resin according to Claim 16.

20. (Previously Presented) A composition comprising:

- a) at least one cross-linker capable of curing with a polyepoxide at elevated temperatures; and
- b) a cure inhibitor which is boric acid, a Lewis acid derivative of boron, an alkyl borane, trimethoxyboroxine, a mineral acid having a nucleophilicity value "n" of greater than zero and less than 2.5, or an organic acid having a pKa value of 1 or more, but not more than 3, or a mixture of two or more thereof.

21. (Original) A composition according to Claim 20 wherein the cross-linker is an anhydride of a polycarboxylic acid.

22. (Original) A composition according to Claim 20 wherein the cross-linker is a copolymer of a styrene and/or a hydroxystyrene.

23. (Original) A composition according to Claim 20 which further comprises: a bifunctional chain extender compound capable of reacting with a polyepoxide at elevated temperatures.

24. (Original) A composition according to Claim 23, which further comprises a catalytic amount of catalyst for accelerating the reaction of the polyepoxide with the cross-linker and/or the bifunctional chain extender.

25. (Previously Presented) A composition useful to cure a polyepoxide resin according to Claim 20, which further comprises a hydroxy-functional cross-linker having a functionality of 2.2 or more.